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Substitute for form 1449RPTD		Complete if Known		
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)		<b>Application Number</b>	10/530,546	
		<b>Filing Date</b>	2003-10-09	
		<b>First Named Inventor</b>	PROCTOR JR; James A.	
		<b>Art Unit</b>	2445	
		<b>Examiner Name</b>	Patrice L. Winder	
<b>Sheet</b>	1	of	8	<b>Attorney Docket No.</b> 080586

## U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2a</sup> (known)			
	001	US4777653	10-11-1988	BONNEROT; Georges, et al.	
	002	US5095528	03-10-1992	LESLIE; Samuel A., et al.	
	003	US5333175	07-26-1994	ARIYAVISITAKUL; Sirikiat, et al.	
	004	US5383144	01-17-1995	KATO; Shiro	
	005	US5767788	06-16-1998	NESS; James C.	
	006	US5825809	10-20-1998	SIM; Bok-Tae	
	007	US6339028	03-25-2003	SOH; Kok Hong, et al.	
	008	US6549542	04-15-2003	DONG; Sung-Soo, et al.	
	009	US6694125	02-17-2004	WHITE; Stanley A., et al.	
	010	US6766113	07-20-2004	AL-SALAMEH; Daniel Y., et al.	
	011	US7043203	05-09-2006	MIQUEL; Xavier Barba, et al.	
	012	US7123670	10-17-2006	GILBERT; Jeffrey M., et al.	
	013	US7133460	11-07-2006	BAE; Sang-Min, et al.	
	014	US20010018328	08-30-2001	OHKURA; Yoshinori, et al.	
	015	US20010040699	11-15-2001	OSAWA; Hidefumi, et al.	
	016	US20010050580	12-13-2001	O'toole; James E., et al.	
	017	US20010050906	12-13-2001	ODENWALDER; Joseph P., et al.	
	018	US20020004924	01-10-2002	KIM; Min-Koo, et al.	
	019	US20020034958	03-21-2002	OBERSCHMIDT; Gerald, et al.	

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For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST 16 if possible. Applicant is to place a check mark here if English language translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Substitute for form 1445/PTO		Complete if Known		
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		Filing Date	2003-10-09	
		First Named Inventor	PROCTOR JR, James A.	
		Art Unit	2445	
		Examiner Name	Patrice L. Winder	
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		Number-Kind Code <sup>2</sup> (if known)			
	020	US20020119783	08-29-2002	BOURLAS; Yair, et al.	
	021	US20020159506	10-31-2002	ALAMOUTI; Siavash, et al.	
	022	US20030119734	09-25-2003	TSUTSUMI; Takayuki, et al.	
	023	US20030211828	11-13-2003	DALGLEISH; Robert, et al.	
	024	US20040208258	10-21-2004	LOZANO; Angel, et al.	
	025	US20040235417	11-25-2004	DEAN; Richard F.	
	026	US20040248581	12-09-2004	SEKI; Hiroyuki, et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T
		Country Code <sup>3</sup> -Number <sup>2</sup> -Kind Code <sup>4</sup> (if known)				
	027	EP0709973A1	05-01-1996	NTT MOBILE COMMUNICATIONS NETWORK INC.		<input type="checkbox"/>
	028	EP0715423	06-05-1996	AT & T CORP [US]		<input type="checkbox"/>
	029	EP0847146A2	06-10-1998	NEC CORP [JP]		<input type="checkbox"/>
	030	EP0853393A1	07-15-1998	NTT MOBILE COMMUNICATIONS		<input type="checkbox"/>

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		<b>Examiner Name</b>	Patrice L. Winder	
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				NETWORK INC.	
	031	GB2351420A	12-27-2000	MOTOROLA LTD.	<input type="checkbox"/>
	032	JP05063623	03-12-1993	NEC CORP.	<input checked="" type="checkbox"/>
	033	JP05102907	04-23-1993	FUJITSU LTD.	<input checked="" type="checkbox"/>
	034	JP06334577	12-02-1994	NIPPON TELEGRAPH & TELEPHONE	<input checked="" type="checkbox"/>
	035	JP07030473	01-31-1995	NIPPON TELEGRAPH & TELEPHONE	<input checked="" type="checkbox"/>
	036	JP07079205	03-20-1995	NIPPON TELEGRAPH & TELEPHONE	<input checked="" type="checkbox"/>
	037	JP09018484A	01-17-1997	TEC CORP.	<input checked="" type="checkbox"/>
	038	JP09182155	07-11-1997	HITACHI LTD.	<input checked="" type="checkbox"/>
	039	JP10032557A	02-03-1998	NEC CORP.	<input checked="" type="checkbox"/>
	040	JP11055713	02-26-1999	MATSUSHITA ELECTRIC IND CO LTD.	<input checked="" type="checkbox"/>
	041	JP11127104	05-11-1999	MATSUSHITA ELECTRIC IND CO LTD.	<input checked="" type="checkbox"/>
	042	JP2000031877	01-28-2000	SHARP CORP.	<input checked="" type="checkbox"/>
	043	JP2000082983A	03-21-2000	KOKUSAI ELECTRIC CO LTD.	<input checked="" type="checkbox"/>
	044	JP2000269873	09-29-2000	KOKUSAI ELECTRIC CO LTD.	<input checked="" type="checkbox"/>
	045	JP2000502218T	02-22-2000	QUALCOMM INC.	<input checked="" type="checkbox"/>
	046	JP2001111575A	04-20-2001	MATSUSHITA ELECTRIC IND CO LTD.	<input checked="" type="checkbox"/>

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Substitute for form 1449PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(Use as many sheets as necessary)</i>		Complete if Known <b>Application Number</b> 10/530,546 <b>Filing Date</b> 2003-10-09 <b>First Named Inventor</b> PROCTOR JR, James A., <b>Art Unit</b> 2445 <b>Examiner Name</b> Patrice L. Winder	
Sheet	4	of	8
		<b>Attorney Docket No:</b> 080586	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>3a</sup> Number <sup>2</sup> Kind Code <sup>3b</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T 6
	047	JP2001244864A	09-07-2001	HITACHI LTD.		<input checked="" type="checkbox"/>
	048	JP2002033691	01-31-2002	SONY INT EUROP GMBH.		<input checked="" type="checkbox"/>
	049	JP2002111571A	04-12-2002	NIPPON TELEGR & TELEPH CORP.		<input checked="" type="checkbox"/>
	050	JP62040895	02-21-1987	TOSHIBA CORP.		<input checked="" type="checkbox"/>
	051	JP63160442	07-04-1988	HITACHI DENSHI LTD.		<input checked="" type="checkbox"/>
	052	JP64011428	01-17-1989	TOYO COMMUN EQUIP CO LTD.		<input checked="" type="checkbox"/>
	053	KR100610929	08-10-2006	SAMSUNG THALES CO LTD [KR]		<input checked="" type="checkbox"/>
	054	RU2120702C1	10-20-1998	BRITISH TELEKOMM/JUNIKEJSHN Z PABLIK LIMITED KOMPAN.		<input type="checkbox"/>
	055	WO0050971A2	08-31-2000	BERKELEY CONCEPT RESEARCH CORP [US]		<input type="checkbox"/>
	056	WO0152447	07-19-2001	ANDREW CORP [US], et al.		<input type="checkbox"/>
	057	WO0182512A1	11-01-2001	KOREA TELECOM FREETEL CO LTD [KR], et al.		<input type="checkbox"/>
	058	WO03013005A2	02-13-2003	SPOTWAVE WIRELESS INC [CA]		<input type="checkbox"/>
	059	WO04032362	04-15-2004	WIDEFI, INC.		<input type="checkbox"/>
	060	WO04038958	05-06-2004	WIDEFI, INC.		<input type="checkbox"/>
	061	WO2004001986A2	12-31-2003	TANTIVY COMM INC [US]		<input type="checkbox"/>

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(Substitute for form 1449/PTO)  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)		Complete if Known		
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		Filing Date	2003-10-09	
		First Named Inventor	PROCTOR JR; James A.	
		Art Unit	2445	
		Examiner Name	Patrice L. Winder	
Sheet	5	of	8	Attorney Docket No: 080586

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	062	WO92014339	08-20-1992	BRITISH TELECOMMUNICATIONS.		<input type="checkbox"/>
	063	WO97034434	09-18-1997	MOTOROLA INC [US]		<input type="checkbox"/>
	064	WO9858461A1	12-23-1998	ERICSSON TELEFON AB L M [SE]		<input type="checkbox"/>
	065	WO9959264A2	11-18-1999	NOKIA NETWORKS OY [FI], et al.		<input type="checkbox"/>
						<input type="checkbox"/>
						<input type="checkbox"/>
						<input type="checkbox"/>

## NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	066	Copy of First Office Action issued from the Chinese Patent Office in connection with corresponding Chinese application No. 200380101286.2 (01-19-2007).	<input type="checkbox"/>
	067	Draft IEEE Standard for Local and Metropolitan Area Networks- Part 16: Air Interface for Fixed and Mobile Broadband Wireless Access Systems; Amendment for Physical and Medium Access Control Layers for Combined Fixed and Mobile Operation in Licensed Bands. IEEE P802.16E/D12, Oct 2005.	<input type="checkbox"/>
	068	First Report issued by IP Australia on July 31, 2007 in connection with the corresponding Australian application No. 2003239577.	<input type="checkbox"/>
	069	Mexican Office communication dated July 2, 2007 issued from Mexican Patent Office for application PA/a/2004/011588 with partial translation thereof.	<input type="checkbox"/>
	070	Notification of the First Office Action from Chinese Patent Office dates September 8, 2006 for the corresponding Chinese patent application No.: 200380105267.7.	<input type="checkbox"/>

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Substitute for form 1449(PFO)		Complete if Known		
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		<b>Filing Date</b>	2003-10-09	
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<b>Sheet</b>	6	of	8	<b>Attorney Docket No:</b> 080586

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	071	Office Action English translation dated July 4, 2008 issued from Chinese Patent Office for Application No. 03814391.7.	<input type="checkbox"/>
	072	Office Action English translation dated June 29, 2009 issued from Japanese Patent Office for Application No. 2004-541532 (080585JP).	<input type="checkbox"/>
	073	Office communication dated January 12, 2007 issued from the European Patent Office for counterpart application No. 03734139.9-1246.	<input type="checkbox"/>
	074	Official communication issued from the European Patent Office dated August 7, 2007 for the corresponding European patent application No. 03759271.4-2412.	<input type="checkbox"/>
	075	Official communication issued from the European Patent Office dated December 19, 2006 for the corresponding European patent application No. 03759271.4-2412.	<input type="checkbox"/>
	076	Second Office Action issued from the Chinese Patent Office on July 20, 2007 in connection with corresponding Chinese application No. 200380101286.2.	<input type="checkbox"/>
	077	Third Office Action issued from the Patent Office of People's Republic of China dated January 4, 2008 in corresponding Chinese Patent Application No. 200380101286.2.	<input type="checkbox"/>
	078	Translation of Office Action in Japanese application 2004-515701, corresponding to US application 10/516,327, citing WO00050971, JP2000-031877, JP2002-033691, JP2002-111571 and JP11-127104. Dated 2010-05-25 (080583JP).	<input type="checkbox"/>
	079	Translation of Office Action in Japanese application 2004-544751, corresponding to US application 10/531,078, citing WO00050971, JP2002-111571, JP05-102907, JP63-160442, JP2000-502218, JP10-032557 and JP2000-082983. Dated 2009-08-25 (080590JP).	<input type="checkbox"/>
	080	Translation of Office Action in Japanese application 2004-553510, corresponding to US application 10/533,589, citing WO00050971, JP09-182155, JP64-011428 and JP62-040895. Dated 2009-09-29 (080588JP).	<input type="checkbox"/>
	081	Translation of Office Action in Japanese application 2004-565505, corresponding to US application 10/563,471, citing JP08-097762 and JP2001-111575 Dated 2009-08-11 (080589JP).	<input type="checkbox"/>
	082	Translation of Office Action in Japanese application 2004-565505, corresponding to US application 10/563,471, citing JP08-097762, JP2001-111575, JP09-018484 and JP11-055713. Dated 2010-09-14 (080589JP).	<input type="checkbox"/>
	083	Translation of Office Action in Japanese application 2004-565505, corresponding to US application 10/563,471, citing JP09-018484. Dated 2010-02-23 (080589JP).	<input type="checkbox"/>

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